Hawaiian Gazette.

SEMI-WEEKLY. ISSUED TUESDAYS AND FRIDAYS

W. R. FARRINGTON, EDITOR.

SUBSCRIPTION RATES month, Foreign rear, Foreign Payable Invariably in Advance

HAWAIIAN GAZETTE COMPANY Publishers. GEO. H. PARIS, Manager.

Honolulu, H. I.

BUSINESS CARDS.

ORRIN A. THURSTON, Attorney at Law. 113 Kachu-manu Street, Honolulu, H. I.

CARTER & KINNEY, Attorneys at Law. No. 24 Mer-chant Street, Honolulu, H. I.

WILLIAM C. PARKE, Attorney at Law and Agent to take Acknowledgments. No. 13 Kaahumanu Street, Honolulu, H. I.

W. R. CASTLE, Attorney at Law and Notary Pub-lic. Attends all Courts of the Republic. Honolule, H. I.

WILLIAM O. SMITH. Attorney at Law. No. 66 Fort

LYLE A. DICKEY, Attorney at Law. No. 11 Kaahu-manu Street, Honolulu, H. I.

MISS D. LAMB, Notary Public. Office of J. A Magoon, 42 Merchant Street Honolulu, H. I.

J. M. WHITNEY, M.D., D.D.S. Dental Rooms on Fort Street. Of-fice in Brewer's Block, cor. Fort and Hotel Sts; entrance, Hotel St.

W. F. ALLEN, Will be pleased to transact any business entrusted to his care. Office over Bishop's Bank.

H. E. McINTYRE & BRO., Grocery and Feed Store. Corner King and Fort Sts., Honolulu.

THE WESTERN & HAWAIIAN Investment Company, L'd. Money Loaned for long or short periods on approved security.
W. W. HALL, Manager.

WILDER & CO., Lumber, Paints, Olls, Nalls, Salt and Bullding Materials, all kinds

H. W. SCHMIDT & SONS, mporters and Commission Mer chants. Honolulu, H. I.

JOHN T. WATERHOUSE, mporter and Dealer in Genera Merchandise. Queen St., Hono-

C. E. WILLIAMS & SON. Furniture of Every Description King Street.

H. HACKFELD & CO., General Commission Agents. Queen Street, Honolulu, H. I.

HAWAIIAN WINE CO. Frank Brown, Manager. 28 and 30 Merchant St., Honolulu, H. I.

M. S. GRINBAUM & CO., Importers of General Merchandise and Commission Merchants. Honolulu, H. I.

M. S. GRINBAUM & CO.,

Commission Merchants. No. 215 Front St. San Francisco, Cal. P. D Box 2503. THEO. H. DAVIES & CO., L'D.

Importers and Commission Mer-chants. Agents for Lievils and the Liverpool Underwriters British and Foreign Marine Ins. Co.; And Northern Assurance Company. Theo. H. Davies. Harold Janion.

THEO. H. DAVIES & CO. Commission Merchants, 12 and 13 The Albany, Liverpool.

R. Lewers. F. J. Lowrey. C. M. Cooke. LEWERS & COOKE, Successors to Lewers & Dickson. Importers and Dealers in Lumber and Building Materials. Fort St.

HONOLULU IRON WORKS CO., Machinery of every description made to order.

ED. HOFFSCHLAEGER & CO., Importers and Commission Mer-chants. King and Bethel Streets, Honolulu, H. I.

HYMAN BROS., Importers of General Merchandise, from France, England, Germany and United States, No. 58 Queen Street, Honolulu, H. I.

, HYMAN BROS.,

Commission Merchants. Particu-iar attention paid to filling and shipping island orders. 206 Front Street, San Francisco.

F. A. SCHAEFER & CO., Importers and Commission Mer-chants. Honolulu, Hawaiian isi-

Daily Advertiser 75 cents a month. Delivered by carrier.

E. O. HALL & SON, L'D. Importers and Dealers in Hard-ware. Corner Fort and King Sts. OFFICERS: Wm. W. Hall: President and Manager E. O. White: Secretary and Treasurer Wm. F. Allen : : : Auditor Thos. May and T. W. Hobron, Directors

C. HUSTACE, Wholesale and Retail Grocer

LINCOLN BLOCK, KING ST. Family, Plantation & Ships' Stores Supplied on Short Notice.

Queen Street.

Dealers in Lumber, Windows, Doors, Blinds AND BUILDERS' HARDWARE. Wall Paper, Paints and Oils. Stove and Steam Coal.

CONSOLIDATED SODA WATER WORKS CO., L'D.

Esplanade, Cor. Fort and Allen Sts. HOLLISTER & CO.,

GILBERT F. LITTLE,

Attorney at Law. HILO, HAWAII.

PALACE

ARLINGTON BLOCK, HONOLULU, H. I.

Fine Confections and Chocolates put up especially for the Island trade. News Periodicals, Latest Goost Papers, Magazines If you wish to Subscribe for any Paper or Magazine published, it will pay you to call on us. P. O. BOX 88. Publishers of Libornio's Hawalian Music, Etc.

J. S. WALKER, General Agent the Hawaiian Islands.



Alliance Marine and General Insur-

WILHELMA OF MADGEBURG INSURANCE COMPANY.

Sun Life Insurance Company Canada. Room 12, Spreckels' Block, Honolula, H. 1.

GUIDE THROUGH HAWAII

H. M. Whitney, Publisher. Only Complete Guide Published. BEAUTIFULLY ILLUSTRATED.

PRICE 75c. For Sale by Hawaiian News Co.,

ALEXANDER & BALDWIN

Put an advertisement in the -:- PACIFIC -:-**GOMMERGIAL ADVERTISER** -- AND ---HAWAIIAN -: GAZETTE. SEMI-WEEKLY,



At Gazette Office.

Paper Read by Prof. Maxwell Before Planters' Association.

Climatic Effects on Cane Throughout of the island the nitrogen in the soil

lines of observation. First, there is two great crater mountains of Maul. the chemical composition, which is derlying the soil in places, and in one laboratory. These processes include the determination of all the constituents present; the measure of availability of those special constituents without which plants cannot live or notably pror in nutrogen, the measure of the special constituents without which plants cannot live or notably pror in nutrogen, the mean of the special constituents without which plants cannot live or notably pror in nutrogen, the mean of the special constituents. and the trial, by experiment, of means and methods whereby the essential at elevations of from 400 feet to 900 with her rakish bark-rigged masts into a better state of use and the poisonous compounds rendered harmless.

Again, there is the geological branch of the subject, which means the examination of the formations and rocks for which our soils have been derived. And in relation to the soils of these islands this branch of inquiry is of primary importance; for while the soils of adjoining planta-tions may closely correspond in chemical composition, their relative fitness to grow crops, which may be termed the state of maturity of the soil, will vary with their relative ages, the one

Iminations as we proceed.

Now, in looking over these several anes of observation which make up the study of soils it is seen that while one part of the investigations is conducted in the laboratory, a comprehension of the whole work involves in the salout 75 degrees), which is the study of soils it is seen that while one part of the investigations is con ducted in the laboratory, a comprehension of the whole work involves in addition exact and extensive observations in the field. Therefore, when our institution was established in April of this year the first act was the fitting up of the laboratories, after

standing of which we may come to some knowledge of the soils of the Hawaiian Islands as a whole We are desling with soils of volcanic origin, and there are volcanic earths upon something of the nature of our soils, most divisions of our sides. In this beginning of the work of our soils, and of the acture of our soils, and of the acture of our soils, and of the acture of our soils.

At this point Professor Maxwell went into a most exhaustive discourse upon the soils of the islands, showing also the solution of the soils to the at Mrs. A. Francas' mode of obey-

banges in elevation. Without doubt. then, the greater rainfall is the means of the vaster vegetation, and this vegetation the cause and seat of the

higher nitrogen content of the high.
In the light of these observations
upon the nitrogen contents of the
makai and mauka lands we can now
return to our first table of results and find an ample explanation of the dif-ferent amounts of nitrogen found in the soils of Oahu, Maul and Kauai. On Oahu our plantations rest almost Family, Plantation & Ships' Stokes
Supplied on Short Notice.

New Goods by every steamer. Orders from the others Islands faithfully executed.

ANALYSES OF VARIOUS KINDS.

ANALYSES OF VARIOUS KINDS.

ANALYSES OF VARIOUS KINDS.

Climatic Effects on Care Theoremson of the Islands to the windward side of the Islands to the windward side. the Islands-Elevation and Rainfall rises with the increased fall of rain Treated in Connection With Growth. and the beginning elevations of the land, as at Heeis, where the nitrogen Product of Sheltered and Low Lands. in the soil is 0 270 per cent. On Kausi are found similar conditions. lowlands which form the plantations in the district of Kekaha and Mana Following is an abstract of the report on soils, read by Prof. Walter Maxwell during the first day's session mae, with the windward exposure and of the Planters Labor and Supply
Company:

The study of soils is a subject which requires to be divided into several the isthmus which ties together the shown to us by the processes of the place, where coral chips were found

the difference in the nitrogens given yesterday morning to find a great many visitors inspecting the vessel. islands is a matter of elevation and Of course the first business was to

on the same Island differ in as great a degree. On the upland or "mauka" with enough water, very much surparstively lower temperatures and greater falls of rain. The lower or "makai" lands have a higher heat, but the rain is notably less. The effects of these differing conditions will probably appear to us in the explant of the sheltered sides of the islands, with enough water, very much surparstively lower temperatures and on the and German. Several garden parties in the Victorian capital, both French and German. Several garden parties and German. Several garden parties signaled the event of the Italian ship's presence, and the stay at Melbourne, as indeed also at the other ciubs in the Victorian capital, both French and German. Several garden parties in the Victorian capital, both French and German. Several garden parties in the Victorian capital, both French and German. Several garden parties in the Victorian capital, both French and German. Several garden parties in the Victorian capital, both French and German. Several garden parties and independent of the excitation that the victorian capital, both French and German. Several garden parties and German. Several garden parties and the event of the Italian ship's presence, and the stay at Melbourne, as indeed also at the other ciubs in the Victorian capital, both French and German. Several garden parties and German. Several garden parties and German. Several garden parties in the Victorian capital, both French and German. Several garden parties and German several garden par

Commission Merchants,

NO. 3 CALIFORNIA STREET,

SAN FRANCISCO.

Island Orders Promptly Filled.

Solution and Street and San Promptly Filled.

Solution and Street and Solution and Solutio

and there are volcanic earths upon most divisions of our globe. Just now, our crater is still; but soil materials are at this moment pouring forth from the islands as a whole. The different formula of the stands as a whole the islands as a whole the is the lips of Vesuvins. They are the ferences, we have observed, are main- as embodied in the Acts of 1892-3 same internal forces of the earth by between upper and lower lands, of that country. which to-day are operating in Italy, and these differences are caused by and possibly next year will be active on Hawaii And the soils finally produced by these operations, as the seen that these climatic differences that these climatic differences in the land of the kangaroo. Minister Cooper though differing in composition, are ences operate, on the one hand, in stated last night that he had referred to the erection of the main stated last night that he had referred to the ences operate, on the one hand, in stated last night that he had referred to the ences operate, on the one hand, in the same obvious the same obvious the accumulation of organic caused nothing from the Attorney. fromed under the same physical conditions. Consequently, the knowledge ditions. Consequently, the knowledge we obtain for the use of these Islands of the vaster vegetable activity. These may be directly available for the use of other parts of the world.

These conditions, however, impress study of the soils of these Islands, us with the scope of the undertaking, and require that we shall not proceed with our theories in advance of the the supplying and restoring of the with our theories in advance of the the supplying and restoring of ele-actual work. I therefore shall limit ments of plant food which were never myself now to a presentation of the work of the laboratory up to this date combined with observations in the and losses have been and are.

Visit Honolulu.

Brief Description of the Cruiser. Entertainments and Receptions in Honor of the Officers of the Ship Throughout the Australian Colonies.

toforo Colombo would visit this day morning for decision. Cowan port early next month on a cruise was accused of embezzling 25 cents around the world. The Sydney in money and \$17.65 in goods Morning Herald of November 4th, while in the employ of Mrs. Ida C. speaking of the cruiser's visit there Patterson. Judge Perry found the

without which plants cannot live or grow; the presence of the bodies that are injurious to the health of crops; are injurious to the health of crops; the mean of the trial by experiment of means are injurious to the health of crops; the highlands is very considerable, the smart looking corvette which plead before a jury. elements of plant food may be brought feet, showe i a nitrogen content of and double funnels. It is so seldom that an Italian warship favors Sydney These considerations show us that with a visit that it was no surprise rainfall upon each of the islands, and no indication of a difference in composition of the soils of the islands regarded as a whole. After this Dr. Maxwell proceeded to speak of the so-called mechanical state of our soils, drawing attention to completely new features in the study of soils. He then referred to the climate in its probable relation to the sugar production of the islands in the following words:

bert's subjects paid their respects to his majesty's representatives aboard the cruiser. They were received and the cruiser. They were received and the cruiser. They were received and the cruiser. One of the latter is Prince Luigi, Duke of Abbruzzi, a son of the sugar production of the islands in the following words: sugar production of the Islands in the being derived from an eruption which occurred at a time outside our computation, and the other from a "flow" whose date is preserved by the memories of living men. Moreover, there were the physical conditions, such as temperature, under which those eruptions took place. The full significance of these phenomena in the history of the benomena in the history of the formation of our soils I do not, at present, pretend to comprehend.

Further, we have the different climatic conditions under which our soils are forming or were formed. Not only do the Islands vary in their respective receipts of frain, the conditions on the same Island differ in as great a degree. Ou the upland or "mauka" lands the soils are forming under company the soils are forming under company and the soils are forming under company under company the soils are forming under company the soils are forming under company under company under company the soils are forming under company under compan

> 225 blue jackets and marines. The di-mensions and armament of the visitor are: Length, 248 feet 5 inches; b-am, fact that it c 37 feet 1 inch; depth, 16 feet 8 inches; parts is stated. displacement, 3400 tons. She carries six 41 inch B. L. guns, four six-pounder quick firers, besides some smaller weapons. She is commanded by Captain Alessandro Bertoilui.

Minister Smith Heard From.

Attorney-General Smith, now in New Zealand, has been interviewed

ATHLETIC ASSOCIATION. Only a Few Members at Last Night's Meeting.

The regular monthly meeting of together less than half a dozen morning. members of the various committees. The members of the club climatic conditions, by which quite new truths were brought to light. Upon the rainfall his words were as follows: On all the islands the variation of rainfall is co-incident with the was given.

The members of the club appear to be lacking considually day morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning appear to be lacking considually morning. He had been afflicted appear to be lacking considually morning appear to be lacking considually morn

ROYALTY ON A CRUISE tendance is smaller than the preing up, as there is plenty of room in Honolulu for athletic entertainments. It is hoped that members Italian Warship Cristofora to of the association will show a little more spirit in the future and arrange some sort of contest that will

please the public. The only business last night was the auditing of bills amounting to ON A TOUR AROUND THE WORLD. \$60 incurred in bringing about the last football game. The amount taken in at the gate was \$114. There was some talk of having a big field day on January 17th, the anniversary of the establishment of the Provisional Government, but no definite conclusion was reached.

Guilty of Embezzlement.

News was brought by the Mio- The Cowan embezzlement case vera that the Italian cruiser Cris- came up before Judge Perry yesterdefendant guilty and sentenced him to three months' imprisonment at hard labor and to pay costs of trial. Notice of appeal has been given and the defendant released on \$500 bonds.

The defense offered no testimony in the lower court, preferring to

GUNS FOR THE ARMY. Two New Twelve-Pounders Re-

ceived by the Aloha. Among the cargo brought by the Aloha were two twelve-pounders Drigg-Schroeder field and landing

guns. They were delivered at military headquarters and will be unpacked and placed in position

This gun is 2.76 inches calibre, has a length of bore of 25 calibres, weighs 350 pounds, and fires a

may be comprehended when the fact that it contains but twelve

CIRCUS IN TOWN.

Wirth's Performers to Open Business Next Thursday.

Wirth's Pacific Circus, made up of twenty-three performers, seven horses, trained animals, tent and necessary appurtenances came by by the papers in regard to the system of land laws in vogue there. has been in Samoa for two months, He states, among other things, that and is spoken of by the leading the Republic, after an examination papers as being the best ever seen

secured by the circus company. Work will be commenced this ceived nothing from the Attorney-General by the Miowera. and gentleman as one meets with, hopes to have everything in readi-

ness for opening Thursday.
Wirth's circus is not claimed to be a second Barnum, but they promise to give an entertainment worthy of the name, and one too the Hawaiian Amateur Athletic content. A preliminary announceabout which there will be no dis-Association last evening brought ment is made by the company this

William Bell, a Scotchman, died